	Application No.	Applicant(s)	
Notice of Allowability	10/638,406	SAKUI ET AL.	
	Examin r	Art Unit	
	ANH PHUNG	2824	
Th MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due cou	urse. THIS
1. This communication is responsive to the Application filed	on Aug. 12, 2003.		
2. The allowed claim(s) is/are <u>1-14</u> .			
3. \square The drawings filed on <u>12 August 2003</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents hav 2. Certified copies of the priority documents hav 	e been received.		
3. Copies of the certified copies of the priority do	ocuments have been receiv	ed in this national stage applicatio	n from the
International Bureau (PCT Rule 17.2(a)).		•	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requi	rements
5. A SUBSTITUTE OATH OR DECLARATION must be subminFORMAL PATENT APPLICATION (PTO-152) which give			ICE OF
6. \square CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsper	son's Patent Drawing Revie	ew (PTO948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment o	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR and each sheet. Replacement sheet(s) should be labeled as such in t			ack) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			the
Attachment(s)	E El Nicola (1)	Samuel Batant Application (DTC)	50)
 Notice of References Cited (PTO-892) Dotice of Draftperson's Patent Drawing Review (PTO-948) 		nformal Patent Application (PTO-1	52)
_ ,	Paper No.	Summary (PTO-413), /Mail Date <u>6/2/04</u> .	
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 8/12/03 & 3/16/04 	08), 7. ⊠ Examiner's	: Amendment/Comment	
4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's	Statement of Reasons for Allowa	nce
of Biological Material	9. ⊠ Other <u>Sear</u>	ch History.	
	au	h Phung	
		ANH PHUNG RIMARY EXAMINER	

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DETAILED ACTION

1. In response to the U.S. Patent Application Ser. No. 10/638,406 filed on Aug. 12, 2003, claims **1-14** are pending in the application.

Examiner's amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Gary D. Fedorochko on June 2, 2004.

The claims has been amended as follows:

In claim 1, lines 11-12, delete -- , and the highest limit of the threshold voltage of the memory cell is infinite --.

In claim 8, lines 11-12, delete -- , and the lowest limit of the threshold voltage of the memory cell is infinite --.

The specification has been amended as follows:

Page 1, after "July 26, 2002," insert -- now U.S. Pat. No. 6,657,892, issued on Dec. 2, 2003, --.

The examiner's amendment has been made in order to place the application in a condition for allowance.

Priority

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3. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed in parent Application No. 09/393,201, filed on Sept. 9, 1999.

Information Disclosure Statement

4. This office acknowledges receipt of the following items from the Applicant: Information Disclosure Statements (IDS) filed Aug. 12, 2003 and Mar. 16, 2004. Information disclosed and listed on PTO 1449 was considered.

Examiner's Statement of Reasons for Allowance

5. Claims **1-14** are allowed.

Kato et al. (U.S. Pat. No. 5,592,415) disclose a nonvolatile semiconductor memory having a control circuit for performing a programming operation similar to that of the present application, but fail to teach: "a memory cell array having a memory cell unit formed from only one memory cell and two select transistors sandwiching the memory cell" as claimed in the independent claims 1 and 8.

Any comments considered necessary by applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comment on Statement of Reasons for Allowance".

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **ANH PHUNG** whose telephone number is **(571) 272-**

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1883. The examiner can normally be reached on Monday-Friday from 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RICHARD ELMS, can be reached on (571) 272-1869. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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AKP

ANH PHUNG PRIMARY EXAMINER

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